

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Cephia Toomer Examiner #: 71657 Date: 12/23/02  
 Art Unit: 1714 Phone Number 308-2509 Serial Number: 09/776,036  
 Mail Box and Bldg/Room Location: 4D11 Results Format Preferred (circle): PAPER DISK E-MAIL  
CP3 4D01

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*  
 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Secondary Amine Mannich Detergents  
 Inventors (please provide full names): Dennis J. Walter; Andre T. Noble, William J. Colucci; Roger M. Sheetz  
 Earliest Priority Filing Date: 2/2/01

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search:

A Mannich reaction product obtained by reacting (i) at least one di-substituted hydroxyaromatic compound having on the ring both an aliphatic hydrocarbon substituent derived from a polystyrene having a number average molecular weight in the range of about 500 to about 3000, and (b) a C<sub>1</sub>-C<sub>4</sub> alkyl; (ii) at least one secondary nonamine of the formula  $H-N(R')R''$  wherein R' and R'' are independently alkyl groups having 1-30 carbon atoms; and (iii) at least one aldehyde.

Please search compound alone, and then in combination with a full.

Thanks

## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>ELP</u>	NA Sequence (#) _____	STN <u>\$ 328.95</u>
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) <u>(2)</u>	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic <u>(and)</u>	De Link _____
Date Completed: <u>12-26-02</u>	Litigation <u>(and)</u>	Lexis/Nexis _____
Searcher Prep & Review Time: <u>5</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>110</u>	Other _____	Other (specify) _____